



Lazuline Mirror

by Arya Akhavan (May 2015)

Angles for R.I. = 1.540

153 + 16 girdles = 169 facets

8-fold, mirror-image symmetry

96 index

L/W = 1.000 T/W = 0.383 U/W = 0.383

P/W = 0.490 C/W = 0.249

Vol./W³ = 0.263

PAVILION

P1	43.00°	02-10-14-22-26-34-38-46-50-58-62-70-74-82-86-94	Cut to centerpoint.
G1	90.00°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Set stone size.
P2	47.01°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Establish girdle level.
P3	45.68°	02-10-14-22-26-34-38-46-50-58-62-70-74-82-86-94	Meet G1, P2
P4	43.79°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Meet P2, P3

CROWN

C1	51.17°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Set girdle width.
C2	48.59°	04-08-16-20-28-32-40-44-52-56-64-68-76-80-88-92	Meet G1, C1
C3	37.19°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Meet C1, C2
C4	34.70°	02-10-14-22-26-34-38-46-50-58-62-70-74-82-86-94	Meet C1, C2, C3
C5	24.86°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Meet C3, C4
C6	20.00°	96-12-24-36-48-60-72-84	Meet C4, C5
T	0.00°	Table	Meet C5, C6

This design was inspired by something from an episode of "Steven Universe". No joke. I basically took a symbol and adapted it into the crown. The deep pavilion and high dome should give this design the feel of a Portuguese cut rather than an SRB, and should only be used in lighter materials. The sequence is written for weight presevation. Works in materials from quartz to rutile (RI = 1.54 - 2.62) with no changes.

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